



2621 # 7  
PATENT 3/13

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:  
**VAIDYANATHAN ET AL.**

CASE NO.: **CL1666USNA**

APPLICATION NO.: **09/851,674**

CONFIRMATION NO.: **3257**

GROUP ART UNIT: **2621**

EXAMINER: **UNKNOWN**

FILED: **MAY 9, 2001**

FOR: **METHOD OF DISCOVERING PATTERNS IN SYMBOL SEQUENCES**

**INFORMATION DISCLOSURE STATEMENT**

**RECEIVED**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**MAR 11 2002**

**Technology Center 2600**

Sir:

In compliance with 37 CFR 1.97 and 1.98, the attention of the Examiner is invited to the patents listed on the enclosed PTO/SB/08A and PTO/SB08B. A copy of the listed references is also enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

*George M. Medwick*

**GEORGE M. MEDWICK**

Registration No. 27,456

Telephone: (302) 892-7915

Facsimile: (302) 892-7925

Dated: Feb. 25, 2002

Enclosures

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	09/851,674
Filing Date	MAY 9, 2001
First Named Inventor	VAIDYANATHAN ET AL.
Group Art Unit	2621
Examiner Name	UNKNOWN
Attorney Docket Number	CL1666USNA

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US - 5,977,890	11/02/1999	RIGOUTSOS ET AL.	
		US - 6,092,065	07/18/2000	FLORATOS ET AL.	
		US - 6,108,666	08/22/2000	FLORATOS ET AL.	
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			

RECEIVED

MAR 11 2002

Technology Center 2600

**FOREIGN PATENT DOCUMENTS**

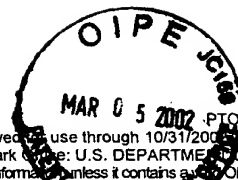
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document CountryCode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
	1	WO00/ 26818	05/11/2000	FLORATOS ET AL.		<input type="checkbox"/>
	2	WO00/ 26819	05/11/2000	FLORATOS ET AL.		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Examiner  
SignatureDate  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Approved for use through 10/31/2002. PTO/SB/08B (10-01)  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete as shown

Application Number	09/851,674
Filing Date	05/11/2001
First Named Inventor	VAIDYANATHAN ET AL.
Group Art Unit	2621
Examiner Name	UNKNOWN
Attorney Docket Number	CL1666USNA

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	Finding flexible patterns in unaligned protein sequences. Inge Jonassen, John Collins and Desmond G. Higgins. Protein Science (1995) 4:1587-1595. Cambridge University Press	<input type="checkbox"/>
	2	SPLASH: structural pattern localization analysis by sequential histograms. Andrea Califano. BIOINFORMATICS, Volume 16, no. 4, 2000. Pages 341-357.	<input type="checkbox"/>
	3	Combinatorial pattern discovery in biological sequences: The TEIRESIAS algorithm. Isidore Rigoutsos and Aris Floratos. BIOINFORMATICS, Volume 14, no. 1, 1998. Pages 55-67	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
		RECEIVED	<input type="checkbox"/>
		MAR 11 2002	<input type="checkbox"/>
		Technology Center 2600	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.